

THIS REPORT HAS BEEN DECLASSIFIED
AND CLEARED FOR PUBLIC RELEASE.

DISTRIBUTION A
APPROVED FOR PUBLIC RELEASE;
DISTRIBUTION UNLIMITED.

UNCLASSIFIED

AD _____

DEFENSE DOCUMENTATION CENTER

FOR

SCIENTIFIC AND TECHNICAL INFORMATION

CAMERON STATION ALEXANDRIA, VIRGINIA

DOWNGRADED AT 3 YEAR INTERVALS:
DECLASSIFIED AFTER 12 YEARS
DCD DIR 5200.10



UNCLASSIFIED

AD No. 5925

FILE COPY

Semi-Annual Progress Report

Protein Substitutes

Progress July 1, 1952, through December 31, 1952,
submitted January 31, 1953

Principal Investigator: E. Brand.

Contractor: Columbia University, New York, N. Y.

Subtask Number: NR 124-200.

Contract Number: Nonr-266(12)

The scientific meeting tentatively contemplated for the Fall of 1952 was postponed by general consent.

The co-operation with the Schwarz Laboratories of Mount Vernon, New York, was continued with respect to the preparation of certain L- and D-amino acids by enzymic resolution. The Schwarz Laboratories agreed to the suggestion to designate optically purified L- and D-amino acids as "Optically Standardized", short "O.S." The commercial availability of an O.S. grade of L- and D-amino acids will be of great help to numerous investigators who need optically pure amino acids in their work.

Experimental work was continued on the resolution of racemic amino acids with the aim of making all L- and D-amino acids more readily available.

Experimental work was started with the aim of making some sample peptides generally available.

Samples of synthetic polypeptides were supplied to consultants, particularly to Professor Ray Pepinsky of Penn State for X-ray powder analysis.